

## Wu, Jennifer

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**From:** Cope, Ben  
**Sent:** Wednesday, August 16, 2017 3:29 PM  
**To:** Wu, Jennifer  
**Subject:** FW: Wenatchee DO/pH model  
**Attachments:** Icicle Creek scenarios2.doc; Memo2 to Charlie regarding LNFH and Icicle Creek TMDL.docx

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**From:** Carroll, Jim (ECY) [mailto:jica461@ECY.WA.GOV]  
**Sent:** Wednesday, April 05, 2017 10:34 AM  
**To:** Cope, Ben <Cope.Ben@epa.gov>  
**Subject:** RE: Wenatchee DO/pH model

Ok, I am digging into the basement.....looking for the actual models.... But running into documentation of some scenarios that I ran for USFW in 2008 (anti-degradation analysis for hatchery) and Ecology Water Quality (Central Regional Office-Yakima) in 2011 about WLA for hatchery with different flow scenarios. Attached for your perusal.

Jim

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**From:** Cope, Ben [mailto:Cope.Ben@epa.gov]  
**Sent:** Tuesday, April 04, 2017 2:43 PM  
**To:** Carroll, Jim (ECY) <jica461@ECY.WA.GOV>  
**Subject:** Re: Wenatchee DO/pH model

Yes, Icicle Creek...!

I know, I'm asking you to go into the dusty basement. Tell me what you find when you get there...hopefully just what we need.

We appreciate it. -BC

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**From:** Carroll, Jim (ECY) <jica461@ECY.WA.GOV>  
**Sent:** Tuesday, April 4, 2017 2:36 PM  
**To:** Cope, Ben  
**Subject:** RE: Wenatchee DO/pH model

Also, I presume you mean the Icicle Creek model.....?

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**From:** Cope, Ben [mailto:Cope.Ben@epa.gov]  
**Sent:** Tuesday, April 04, 2017 2:09 PM  
**To:** Carroll, Jim (ECY) <jica461@ECY.WA.GOV>  
**Cc:** Wu, Jennifer <Wu.Jennifer@epa.gov>  
**Subject:** Wenatchee DO/pH model

Hi Jim -

We're working on the Leavenworth hatchery NPDES and we need to estimate the impact of their proposed interim limits. We are wondering if you can send us the Wenatchee QUAL2Kw model so we can run the necessary scenarios? What we'd like to run is the current condition for 8/27/02 and 09/24/02 but at the critical flow used in the TMDL. We would take that setup and simply revise the hatchery discharge up to the interim limits and 95% effluent flow. Very straightforward. Do you have that setup available and can you send or post to ftp?

Thanks. -BC